

ABSTRACT

Handayani, Aryani Sri. (2018). **The Influence of Guided Discovery Learning Models on Increasing Mathematical Creative Thinking Ability and Self-Awareness of Middle School Students.**

Mathematics needs to be given for students to provisions them with the ability logical thinking, analytical, systematical, critical and creative with the ability to cooperate. Not only that, the concept of self-knowledge or self-awareness is an important matter initiated in the Government Regulation of the Republic of Indonesia. The main problem that needs to be observed in this study is the ability of mathematical creative thinking and self-awareness of students in learning mathematics is still low. In accordance with the problems that have been formulated, the objectives of this study are (1) To determine the improvement of mathematical creative thinking skills students who obtain a Guided Discovery Learning model are higher than the creative thinking abilities of students who obtain conventional learning. (2) To find out the Self-Awareness ability of students who obtained the Guided Discovery Learning model better than the Self-Awareness ability of students who received conventional learning. (3) To describe the effectiveness of the Guided Discovery Learning model in improving mathematical creative thinking skills of junior high school students. The method used in this study is a quasi-experimental research method with the Guided Discovery Learning model and the non-equivalent control group design. Subjects in this study were students of Muhammadiyah 3 Bandung Middle School and the object was the ability of mathematical creative thinking and Self-Awareness. The instrument used in this study is a mathematical creative thinking ability test and a Self-Awareness questionnaire scale. Based on the data analysis and research findings, it can be concluded that (1) the improvement of mathematical creative thinking ability of students who obtained the Guided Discovery Learning model was higher than students who obtained conventional learning models. (2) Self-Awareness Ability of students who get the Guided Discovery Learning model is better than students who obtain conventional learning. (3) There is strong effectiveness by using the Guided Discovery Learning model to improve mathematical creative thinking skills of junior high school students.

Keywords: Guided Discovery Learning, Mathematical Creative thinking Ability, Self-Awareness